

Name _____

E-Sheet: Light Basics

Connecting Our Life to the Web: Pre or Post-Session

So you want to learn a few things about the basic properties of light. Well, the sites below will give you a good place to answer your questions. Unless your teacher advises you differently begin with the first sight and continue through this lesson to learn about the basic properties of light. Enjoy your voyage!

Sites to Explore:

Canada Science Technology Museum: Looking at Light

http://www.science-tech.nmstc.ca/english/schoolzone/Info_Light.cfm#light

Optics For Kids: <http://www.opticalres.com/kidoptx.html>

Light Tour: Discover Lights Mystery: http://cse.ssl.berkeley.edu/light/light_tour.html

Brain Pop Movie: <http://www.brainpop.com/science/electricity/electricity/index.weml>

1. Lets start our investigation by using **Looking at Light**. Read through the answers to questions 1-5 and 10, and 11. Answering a few basic questions using this site like where is light found, what is infrared and ultra violet light. Where are these light sources found?

2. Now click on **Optics for Kids** and under the introduction and magnifying glass read the first four arrowed pieces of information. Record below how does light travel, how fast and how far does it travel, and five ways light is used around us.

3. Our last site, **Light Tour** will take you on a voyage through light. Begin by clicking on start and then clicking on light wavelength area. This will give you three questions to choose from. Click on how does light behave and go through all three questions. Record what you learned below.

4. Just for fun finish your tour with a quick movie or two from **Brain Pop** called Light and the EM Spectrum. Choose only two per day for free! **Caution!!! Any extra clicks will count as a movie even if you haven't seen one. Enjoy!!**